|              |             |            |          |              |                                |          |         |                                    |                | DQA:          | Date:          |                     |
|--------------|-------------|------------|----------|--------------|--------------------------------|----------|---------|------------------------------------|----------------|---------------|----------------|---------------------|
| NCR: Y       | 'es / No    |            |          |              | WORK ORDER NON-                | CONF     | ORI     | MANCE / UPDATE                     |                |               |                | ₹,                  |
|              |             |            |          |              |                                |          |         |                                    |                | QA Closed:    | Date:          |                     |
| Work Orde    | ır.         |            |          |              | DISPOSITION                    |          |         | AGA                                | INST DE        | PARTMENT      | /PROCESS       | •                   |
| Part N       |             |            |          |              | Rework<br>Scrap                |          | ľ       | Skid-tube Cross  Machining Smal    | l Fab          | -             | d. Eng. Coor.  | Engineering Quality |
| NCR N        | lo          |            |          | <del> </del> | Use-as-is<br>Work Order Update |          |         | noforming Finis<br>Large Fab Compo | shing<br>osite |               | Supplier Other |                     |
| Root         |             | T          |          | Descri       | ption of work order update     | Init     | tial    | Action                             | <del></del>    | Sign &        |                |                     |
| Cause        | Date        | Step       | Qty      |              | or Non-conformance             | Chief    | f Eng   | Description                        |                | Date          | Verification   | QC Inspector        |
| oc/Data      |             |            |          |              |                                |          |         |                                    |                |               |                |                     |
| quip/Tooling |             |            |          |              |                                |          |         |                                    |                |               |                |                     |
| Operator     |             |            |          |              |                                |          |         |                                    |                |               |                |                     |
| /laterial    |             |            |          |              | •                              |          |         |                                    |                |               |                |                     |
| Offset/Setup |             |            |          |              |                                |          |         | •                                  |                |               |                |                     |
| Other        |             |            |          |              |                                |          |         |                                    |                |               |                |                     |
| rocess       |             |            |          |              |                                | **       |         |                                    |                |               |                |                     |
| upplier      |             |            |          |              |                                |          |         |                                    |                |               |                |                     |
| raining      |             |            |          |              |                                |          |         |                                    |                |               |                |                     |
| Inauthorized |             | <u> </u>   |          |              |                                | 1        |         |                                    |                | <u></u>       |                |                     |
| <u></u>      |             |            |          |              |                                | AULT (   | CATE    |                                    |                |               |                |                     |
| Landin       | <del></del> |            |          | <b></b>      | Hardware                       | _        |         | General                            | _              | 7             |                | 1                   |
| ·            | Bending 1   |            |          | <del></del>  | Breaking                       | $\vdash$ | ırrs    |                                    | <u> </u>       | Maintenan     | <del> </del>   | Set-up              |
|              | Centre N    | ot Concei  | ntric to | o/s          | Missing                        |          |         | ination                            |                | Mislabeled    |                | Supplier            |
|              | Cracks      |            |          |              | Size/Length                    | <b></b>  |         | Short                              |                | Off-Set       | <u> </u>       | Temperature/Cure    |
|              | Crushed/    | •          |          | 3 <u> </u> _ | Spinning                       |          |         | ntation/Data                       | <u> </u>       | Orientation   | <u> </u>       | Weld                |
|              | Inspectio   | n Strip in | Tube     | <u> </u>     | Threading                      | $\vdash$ | nish    | •                                  | <u> </u>       | Out of Calibr | <u> </u>       | Wrong Stock Pulled  |
|              | Other       |            |          | L            | Wrong                          | -        | -       | on Incomplete                      | <u> </u>       | Out of Seque  | <del></del>    | 1                   |
|              | Positione   | _          |          |              | Drill Holes                    | -        | -       | on Unqualified                     | <u> </u>       | Outside Dim   | بـــــا        | Other               |
| · L          | Ripples o   |            |          |              | Misaligned                     |          |         | ons Incomplete/Unclear             | <u> </u>       | Over/Under    | tolerance      |                     |
|              | Torque W    |            |          | ^  _         | Ovalized                       | $\vdash$ |         | ures/Tooling                       |                | Part Lost     |                |                     |
|              | Turning S   | equence    |          | 1            | Over/Undersized .              | Kit      | t Incor | rect                               |                | Part Moved    |                |                     |

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev F

Wave/Twist in Tube

Too Many

Raw Material

Kit Missing

PPP Rev:

|                      |           |           |           |           |              |                            |             |         |                         |          | DQA:          | Date          | : •                |
|----------------------|-----------|-----------|-----------|-----------|--------------|----------------------------|-------------|---------|-------------------------|----------|---------------|---------------|--------------------|
| NCR:                 | es ,      | / No      | ,         |           |              | WORK ORDER NON-            | CONF        | ORI     | MANCE / UPDATE          |          | 00 Classic    | Doto          |                    |
|                      |           |           |           |           |              |                            |             |         |                         |          | QA Closed:    | Date          | :                  |
| Work Orde            | or.       |           |           |           |              | DISPOSITION                |             |         | AGAINST                 | DE       | PARTMENT      | PROCESS       | •                  |
| WOIK OIGE            |           |           |           |           |              | Rework                     | 7           |         | Skid-tube Crosstube     | Γ        | Pro           | d. Eng. Coor. | Engineering        |
| Part N               | lo.       |           |           |           |              | Scrap                      | 1           |         | Machining Small Fab     |          |               | e/Packaging   | Quality            |
|                      | -         |           |           |           |              | Use-as-is                  | 1 I ·       | Therm   | noforming Finishing     |          |               | Supplier      |                    |
| NCR N                | ۱o        |           |           |           |              | Work Order Update          | ]           |         | Large Fab Composite     |          |               | Other         |                    |
|                      |           |           |           |           | <u>-</u>     |                            | Д.          |         |                         |          |               |               |                    |
| Root                 |           | _         | _         |           |              | ption of work order update | Init        |         | Action                  |          | Sign &        | \             | OC Inches at an    |
| Cause                | -         | Date      | Step      | Qty       | (            | or Non-conformance         | Chie        | f Eng   | Description             |          | Date          | Verification  | QC Inspector       |
| Ooc/Data             |           |           |           |           |              |                            |             |         |                         |          |               |               |                    |
| quip/Tooling         |           |           |           |           |              | •                          |             |         |                         |          |               |               |                    |
| Operator<br>Material | $\dashv$  |           |           |           |              |                            |             |         |                         |          |               |               |                    |
| Offset/Setup         |           |           |           |           |              |                            |             |         |                         |          |               |               |                    |
| Other                | ┨.        |           |           |           |              |                            |             | •       |                         |          |               |               | ·                  |
| rocess               | $\dashv$  |           |           |           |              |                            |             |         |                         |          |               |               |                    |
| upplier              | $\exists$ |           |           |           |              |                            |             |         |                         |          |               |               |                    |
| raining              |           |           |           |           |              |                            |             |         |                         |          |               |               |                    |
| Jnauthorized         |           | İ         |           |           |              |                            |             |         |                         |          |               |               |                    |
|                      |           |           |           |           |              | F                          | AULT        | CATE    | GORY                    |          |               |               |                    |
| Landir               | ng Ge     | ar        |           |           |              | Hardware                   |             |         | General                 |          |               |               | _                  |
| [                    | В         | ending Pa | asses Bel | low Min   | ı . <u> </u> | Breaking                   | Bu          | urrs    |                         |          | Maintenand    | ce            | Set-up             |
|                      | c         | entre No  | t Concen  | tric to ( | o/s          | Missing                    | Cc          | ntamiر  | ination                 |          | Mislabeled    |               | Supplier           |
|                      |           | racks     |           |           |              | Size/Length                | $\vdash$    | ut Too  |                         |          | Off-Set       | _             | Temperature/Cure   |
|                      | _         | rushed/C  | · ·       | _         | : <u> </u>   | Spinning                   | L Do        | ocume   | entation/Data           |          | Orientation I |               | Weld               |
| •                    | - 0       | spection  | Strip in  | Tube      | e.           | Threading                  | <del></del> | nish    |                         | _        | Out of Calibr |               | Wrong Stock Pulled |
|                      |           | ther      |           |           | ` L_         | Wrong                      | -           |         | on Incomplete           | <u> </u> | Out of Seque  | <del></del>   | <b>-</b> .         |
|                      |           | ositioned |           |           | <del></del>  | Drill Holes                |             | •       | on Unqualified          | ļ        | Outside Dim   | L             | Other              |
|                      |           | ipples on |           |           |              | Misaligned                 | <del></del> |         | ions incomplete/onclear |          | Over/Under    | tolerance     | •                  |
|                      |           | orque Wa  |           | xtrusior  | ) <u> </u>   | Ovalized                   |             |         | ures/Tooling            | ⊢        | Part Lost     |               |                    |
|                      | _         | urning Se |           |           |              | Over/Undersized            | _           | t Incor | · ·                     | <u> </u> | Part Moved    |               | <u> </u>           |
|                      | I۷        | Vave/Twi  | st in Tub | e         | ı            | Too Many                   | Ki          | t Missi | ing                     | l        | Raw Materia   | I             |                    |

**Run Hours** 

0.00

0.00

Description

QC21- Final Inspection - Work Order Release

Memo

160

QC

\*160\*

Quality Control

CMK 12-08-28

Number Stamp

Code

Qty

Qty

Page 3

|               |        |            |            |             |  |     |           |  |   | DQA:         | Date   | :                   |
|---------------|--------|------------|------------|-------------|--|-----|-----------|--|---|--------------|--|---------------------|
| NCR: Y        | es / l | lo         |            |             | WORK ORDER NON-                          | CO  | NFOR      | MANCE / UPI                                | DATE                                    | QA Closed:   | Date   |                     |
| <u> </u>      |        |            | ·          |             |  |     |           | ····                                       |   | QA Closed:   | Date   | •                   |
| Work Orde     | ır.    |            |            |             | DISPOSITION                              |     |           |  | AGAINST DI                              | PARTMENT     | /PROCESS   | •                   |
| Part N        | lo     |            |            |             | Rework Scrap Use-as-is Work Order Update |     |           | Skid-tube  Machining  noforming  Large Fab | Crosstube Small Fab Finishing Composite | -            | d. Eng. Coor.<br>re/Packaging<br>Supplier<br>Other | Engineering Quality |
| NCR N         |        |            |            | <del></del> | work Order Opdate                        | ا ل |           | Large Fab                                  | Composite_                              | J            | Other  | لـا لـا             |
| Root          |        |            |            | Descr       | iption of work order update              |     | nitial    | Act  | tion                                    | Sign &       |  |                     |
| Cause         | Dat    | e Ste      | p Qty      |             | or Non-conformance                       | Ch  | ief Eng   | Descr                                      | ription                                 | Date         | Verification                                       | QC Inspector        |
| Doc/Data      |        |            |            |             |  |     |           |  |   |              |  |                     |
| Equip/Tooling |        |            |            |             |  |     |           |  |   |              |  |                     |
| Operator      |        |            |            |             |  |     |           |  | •                                       |              |  |                     |
| Material      |        |            |            |             |  |     |           |  |   |              |  |                     |
| Offset/Setup  |        |            |            |             |  |     |           |  |   |              |  |                     |
| Other         |        |            |            |             |  |     |           |  |   |              |  |                     |
| Process       |        |            |            |             |  |     |           |  |   |              |  |                     |
| Supplier      |        |            |            |             |  | 1   |           |  |   |              |  |                     |
| Гraining      |        |            |            |             |  |     |           |  |   |              | }  |                     |
| Jnauthorized  |        |            |            |             |  |     |           |  |   |              |  |                     |
|               |        |            |            |             | F  | AUL | T CATE    | GORY                                       |   |              |  |                     |
| Landir        | g Gear |            |            |             | Hardware                                 |     |           | General                                    |   | _            |  | _                   |
|               | Bendi  | ng Passes  | Below M    | lin         | Breaking                                 |     | Burrs     |  |   | Maintenan    | ce   | Set-up              |
|               | Centr  | Not Cor    | centric to | o O/S       | Missing                                  |     | Contam    | ination                                    |   | Mislabeled   |  | Supplier            |
|               | Crack  | 5          |            |             | Size/Length                              |     | Cut Too   | Short                                      | _                                       | Off-Set      |  | Temperature/Cure    |
|               | Crush  | ed/Crimp   | at Bendi   | ng          | Spinning                                 |     | Docume    | entation/Data                              |   | Orientation  | Misread  | Weld                |
|               | Inspe  | tion Strip | in Tube    |             | Threading                                |     | Finish    |  |   | Out of Calib | ration   | Wrong Stock Pulled  |
|               | Other  |            |            |             | Wrong                                    |     | Inspecti  | on Incomplete                              |   | Out of Sequ  | ence   | _                   |
|               | Positi | oned Wro   | ng         |             | Drill Holes                              |     | Inspecti  | on Unqualified                             |   | Outside Dim  | ensions  | Other               |
| Ţ             | Ripple | s on Inne  | r Bend     |             | Misaligned                               |     | Instruct  | ions Incomplete/L                          | Jnclear                                 | Over/Under   | tolerance  |                     |
| ļ             | Torqu  | e Waves    | in Extrusi | on _        | Ovalized                                 |     | Jigs/Fixt | ures/Tooling                               |   | Part Lost    |  |                     |
|               | Turnii | ng Sequer  | ice        |             | Over/Undersized                          |     | Kit Inco  | rrect                                      |   | Part Moved   |  |                     |
| ľ             |        |            |            | Too Many    | Kit Missing Ra                           |     |           |  | Raw Materia                             | al           |  |                     |

## **Picklist Print**

Måy-30-12 11:27:00 AM

Work Order ID: 84979

\*84979\*

Parent Item:

D412-630-032

\*D412-630-032\*

Parent Item Name: Pilot/Co-Pilot Step, RH (Folding)

**Start Date:** 30/05/2012

**Required Date:** 13/06/2012

Page 1

Start Qty: 2.00

Required Qty: 2.00

Comments:

IPP REV. A 05.11.21

**NEW ISSUE** 

EC EC

updated pick list IPP REV. B 05.12.19

IPP REV.C 07.11.12 ecn 1019, nochg EC verifiedby:DD IPP Rev:D

10.05.28 added route seq DD verf:EC

IPP Rev: E 11.06.01

removed qty1 an310-4 EC verified by: DD

Purchased

Purchased

No

No

| Component Item ID/<br>Item Name | Replacement | Mfg/               | Bin                 | Primary  | Last     | Route  | Unit of     | Qty on           | Qty per Kit | Total | Qty    | Date   | Status   |
|---------------------------------|-------------|--------------------|---------------------|----------|----------|--------|-------------|------------------|-------------|-------|--------|--------|----------|
| AN310-4                         | Item ID     | Purch<br>Purchased | Item<br>- · ·<br>No | Location | Location | Seq ID | Measure<br> | Hand<br>144.0000 |             | Qty   | Issued | Issued | <b>,</b> |
| *AN310-4*                       |             |                    |                     |          | •        | 130    | )           |                  | **          | -     |        | / /    | /        |

| <b>Location</b> | <u>Lo</u> | c Oty | Loc Code |    |
|-----------------|-----------|-------|----------|----|
| ST344           |           | 144   |          |    |
| 120124          |           | 1     |          |    |
| 120518          |           | 17    |          |    |
| 121011          |           | Ī     |          |    |
| 121349          |           | 25    |          |    |
| 121827          |           | 100   |          |    |
|                 | 110       | Each  | 193.0000 |    |
|                 |           |       |          | ** |

MS24665-30 \*MS24665-302\*

Cotter Pin

| <b>Location</b> | Lo  | oc Oty | Loc Code |
|-----------------|-----|--------|----------|
| ST309           |     | 193    |          |
| 120521          |     | 193    |          |
|                 | 130 | Each   | 38.0000  |

Location Loc Qty Loc Code ST344 38 120124 38

|  |  |   |  |                             |        |  |     |  |  |   | DQA:  | Date   |  |
|--|--|---|--|-----------------------------|--------|--|-----|--|--|---|---|--|--|
| NCR:   | Yes ,  | / No  |  |                             |        | WORK ORDER NON-  | CO  | NFORI  | MANCE / UP   | PDATE                                   | QA Closed:  | Date   |  |
| Work Ord   | er.  |   | ,  |                             |        | DISPOSITION  |     |  |  | AGAINST DE                              | PARTMENT  | /PROCESS   |  |
| Part I   | <br>No   |   |  |                             |        | Rework Scrap Use-as-is Work Order Update   |     |  | Skid-tube  Machining  noforming  Large Fab                         | Crosstube Small Fab Finishing Composite | -4  | d. Eng. Coor.<br>re/Packaging<br>Supplier<br>Other | Engineering Quality  |
| Root   |  |   |  |                             | Descri | ption of work order update   |     | nitial   | Ac   | tion                                    | Sign &  |  |  |
| Cause  |  | Date  | Step                                     | Qty                         | C      | or Non-conformance   | Ch  | ief Eng  | Desc   | ription                                 | Date  | Verification                                       | QC Inspector   |
| Doc/Data Equip/Tooling Operator Material Offset/Setup Other Process Supplier Training Unauthorized | ip/Tooling Prator terial Prator et/Setup er cess plier ining |   |  |                             |        | -  |     |  |  |   |   |  |  |
|  |  |   |  |                             |        |  | AUL | T CATE   | ·  | 7                                       |   |  |  |
| Landi  | Be Co  | ending Pa<br>entre No<br>acks<br>ushed/C<br>spection<br>ther<br>ositioned<br>pples on<br>orque Wa | rimp at Strip in Wrong Inner Beaves in E | ntric to<br>Bending<br>Tube | o/s    | Hardware Breaking Missing Size/Length Spinning Threading Wrong Drill Holes Misaligned Ovalized |     | Finish<br>Inspecti<br>Inspecti<br>Instructi<br>Jigs/Fixt | Short entation/Data on Incomplete on Unqualified ions Incomplete/U | Unclear                                 | Maintenand Mislabeled Off-Set Orientation Out of Calibr Out of Seque Outside Dim Over/Under Part Lost | Misread ation ence                                 | Set-up Supplier Temperature/Cure Weld Wrong Stock Pulled Other |
|  | Turning Sequence   |   |  |                             | I 1    | Over/Undersized  | 1 1 | Kit Incor  | rect   |   | Part Moved  |  |  |

Kit Missing

Raw Material

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev F

Wave/Twist in Tube

Too Many

| Picklist Print Mäy-30-12 11:27:00 AM |                                       |              |                  |               |             |  | Page 2  |
|--------------------------------------|---------------------------------------|--------------|------------------|---------------|-------------|--|---|
| Work Order ID: 84979                 | · · · · · · · · · · · · · · · · · · · | *8           | 4979*            | - <del></del> |             |  | 9   |
| <b>Parent Item:</b> D412-630-032     |                                       |              | 0412-630-0       | 32*           |             |  |   |
| Parent Item Name: Pilot/Co-Pilo      | ot Step, RH (Folding)                 | -            |                  |               |             | eart Date: 30/05/2012<br>Start Qty: 2.00 | Required Date: 13/06/2012<br>Required Qty: 2.00 |
| *AN3C5A  *AN3C5A*  Bolt              | Purchased                             | No           |                  | 130 Eac       | h 1,336.000 | **                                       |   |
| •                                    |                                       |              | <b>Location</b>  | Loc Qty       | Loc Code    |  |   |
|                                      |                                       |              | FP001            | 7             |             |  |   |
| ·                                    |                                       |              | 115835           | 7             |             | <del></del>                              |   |
|                                      |                                       |              | ST350            | 1329          |             |  |   |
|                                      |                                       |              | 116419           | 28            |             |  |   |
|                                      |                                       |              | 117343           | 13            |             |  |   |
|                                      |                                       |              | 117764<br>117872 | . 7           |             |  |   |
|                                      |                                       |              | 117872           | 2<br>23       |             |  |   |
|                                      |                                       |              | 120423           | 28            |             |  |   |
|                                      |                                       |              | 121068           | 12            |             | · ·                                      |   |
|                                      |                                       |              | 121255           | 500           |             |  | . /   |
|                                      |                                       |              | 121444           | 216           |             | 12214                                    | <del>/</del>                                    |
| p)                                   |                                       |              | 121708           | 500           |             | - 1:<br>- 27                             | 1   |
| *AN44-C12* eyebolt                   | Purchased                             | No           |                  | 130 Eacl      | n 22.0000   | **                                       |   |
|                                      |                                       |              | Location         | Loc Oty       | Loc Code    |  |   |
| ·                                    |                                       |              | ST362            | 22            |             | 120/3                                    | ? ·   |
| AN4C15                               | D 1 1                                 | <b>N</b> T - | 120139           | 22            | 56,0000     |  | ,   |
| *AN4C15* BOLT                        | Purchased                             | No           |                  | 130 Eacl      | 56.0000     | **                                       | lo 12/8/27 (2                                   |
|                                      |                                       |              | Location         | Loc Oty       | Loc Code    |  |   |
|                                      |                                       |              | ST358            | 56            |             |  |   |
|                                      |                                       |              | 120124           | 6             |             |  | ,   |
|                                      |                                       |              | 121146           | 50            |             | 10 4 10 4                                | ۱۵  |

|              |           |            |             |       |  |     | <del> </del> |  |   | _  | QA Closed:    | Dat  |   |                     |
|--------------|-----------|------------|-------------|-------|--|-----|--------------|--|---|----|---------------|--|---|---------------------|
| Work Order   | •         |            |             |       | DISPOSITION                              |     |              |  | _                                       | )E | PARTMENT      | _  |   |                     |
| Part No      |           |            |             |       | Rework Scrap Use-as-is Work Order Update |     | Thern        | Skid-tube  Machining  noforming  Large Fab | Crosstube Small Fab Finishing Composite |    | 4             | d. Eng. Coor.<br>re/Packaging<br>Supplier<br>Other |   | Engineering Quality |
| Root         |           |            |             | Descr | ption of work order update               |     | Initial      | Ac   | tion                                    |    | Sign &        |  |   |                     |
| Cause        | Date      | Step       | Qty         |       | or Non-conformance                       | Ch  | nief Eng     | Desc                                       | ription                                 |    | Date          | Verification                                       | 1 | QC Inspecto         |
| Doc/Data     |           | <u> </u>   |             | -     |  |     |              |  |   |    |               |  |   |                     |
| quip/Tooling |           |            |             |       |  |     |              |  |   |    |               |  |   |                     |
| perator      |           |            |             |       | •  |     |              |  |   |    |               |  |   |                     |
| 1aterial     |           |            |             |       |  |     |              |  |   |    |               |  | - |                     |
| ffset/Setup  | 7         |            |             |       |  |     |              |  |   |    |               |  |   |                     |
| ther         |           |            |             |       |  | -   |              |  |   |    |               |  |   |                     |
| rocess       | 7         |            |             |       | •  |     |              |  |   |    |               |  |   |                     |
| upplier      |           |            |             |       |  |     |              |  |   |    |               |  |   |                     |
| raining      | 7         |            |             |       |  |     |              |  |   |    |               |  |   |                     |
| Inauthorized |           | 1          |             |       |  |     |              |  |   |    |               |  |   |                     |
|              |           |            |             |       |  | FAU | LT CATE      | GORY                                       |   |    |               |  |   |                     |
| Landing      | Gear      | ·          |             |       | Hardware                                 |     | _            | General                                    | _                                       |    | -             | -  |   | • .                 |
|              | Bending   | Passes Be  | low Min     |       | Breaking                                 |     | Burrs        |  |   |    | Maintenan     | ce [   |   | Set-up              |
|              | Centre N  | ot Concer  | ntric to O, | /s    | Missing                                  |     | Contam       | ination                                    |   |    | Mislabeled    | Ĺ  |   | Supplier            |
|              | Cracks    |            |             |       | Size/Length                              |     | Cut Too      | Short                                      |   |    | Off-Set       | 1  | _ | Temperature/Co      |
|              | Crushed/  | Crimp at   | Bending     |       | Spinning                                 |     | Docume       | entation/Data                              |   |    | Orientation   | Misread  | _ | Weld                |
|              | Inspectio | n Strip in | Tube        |       | Threading                                |     | Finish       |  |   |    | Out of Calibi | ation [  |   | Wrong Stock Pu      |
|              | Other     |            |             |       | Wrong                                    |     | Inspecti     | on Incomplete                              |   |    | Out of Seque  | ence   |   | e e villagión       |
|              | Positione | d Wrong    |             |       | Drill Holes                              |     | Inspecti     | on Unqualified                             |   |    | Outside Dim   | ensions  |   | Other               |
|              | Ripples o | n Inner B  | end         |       | Misaligned                               |     | <b>-</b>     | ions Incomplete/                           | Unclear                                 |    | Over/Under    | tolerance _  |   |                     |
|              | Torque V  | /aves in E | xtrusion    |       | Ovalized                                 |     | Jigs/Fixt    | ures/Tooling                               |   |    | Part Lost     | ·  |   |                     |
|              | Turning S | equence    | •           | [     | Over/Undersized                          |     | Kit Inco     | rrect                                      |   |    | Part Moved    | · -  |   |                     |
|              | Wave/Tw   | ist in Tub | e           |       | Too Many                                 | Г   | Kit Miss     | ing  |   |    | Raw Materia   | ŀ  |   |                     |

Date:

| •   | Picklist Print May-30-12 11:27:00 AM                             |                 |     |  |            |               |          |  | Page 3                                       |
|-----|--|-----------------|-----|--|------------|---------------|----------|--|--|
|     | Work Order ID: 84979   |                 | *84 | 4979*  |            |               |          |  | 1  |
|     | Parent Item: D412-630-032  Parent Item Name: Pilot/Co-Pilot Step | o, RH (Folding) |     | 412-630-0                                    | 32*        |               |          | tart Date: 30/05/2012<br>Start Qty: 2.00 | Required Date: 13/06/2012 Required Qty: 2.00 |
| Sn  | *ANSC11* BOLT  | Purchased       | No  |  | 130        | Each          | 38.0000  | **                                       |  |
|     |  |                 |     | <u>Location</u><br>ST337<br>114801<br>120139 | <u>Lo</u>  | 38<br>2<br>36 | Loc Code | 120/39                                   | -<br>-<br>-<br>-                             |
| Ser | *ANS(C15*  | Purchased       | No  |  | 130        | Each          | 32.0000  | **                                       |  |
|     |  |                 |     | Location<br>ST338                            | <u>Lo</u>  | 32            | Loc Code | 12.12                                    | S  |
| Sir | AN960C516 WA61149CJが63 R<br>*AN960C516*<br>WASHER                | Purchased       | No  | 120139                                       | 130        | 32<br>Each    | 0.0000   | ** M//                                   | 7460 C                                       |
| Sa  | D3454-1<br>*\n34\square 4 - 1 *<br>Bushing                       | Manufactured    | No  |  | 130        | Each          | 21.0000  | **                                       |  |
|     |  |                 |     | Location<br>ST044<br>74730<br>82359          | <u>Loc</u> | 21<br>5<br>16 | Loc Code |  | 59   |
| Sa  | D34548<br>D3454-3*<br>Bushing                                    | Manufactured    | No  |  | 130        | Each          | 16.0000  | **                                       | (cafs) 27 (2)                                |
|     | •  |                 |     | <u>Location</u><br>ST044<br>78193            | <u>Loc</u> | 16<br>16      | Loc Code | 78/93                                    | -<br>-<br>-                                  |

| NCR: Y               | es / No                          |                                  |            |        | WORK ORDER NON-                               | CONFO             | RMANCE / UP      | DATE        |              |               | ,                  |
|----------------------|----------------------------------|----------------------------------|------------|--------|---|-------------------|------------------|-------------|--------------|---------------|--------------------|
|                      |                                  |                                  |            | ,      |   |                   |                  |             | QA Closed:   | Date:         |                    |
| \\ . O               |                                  |                                  |            |        | DISPOSITION                                   | 1                 |                  | AGAINST D   | EPARTMENT,   | /PROCESS      |                    |
| Work Orde            | er:                              | ···                              |            |        | Rework  | 1 <b>l</b>        | Skid-tube        | Crosstube   | 7 Pro        | d. Eng. Coor. | Engineering        |
| Part N               | lo.                              |                                  |            |        | Scrap   | 1                 | Machining        | Small Fab   | _            | re/Packaging  | Quality            |
|                      |                                  |                                  |            |        | Use-as-is                                     | The               | rmoforming       | Finishing   |              | Supplier      |                    |
| NCR N                | lo                               |                                  |            |        | Work Order Update                             | ]                 | Large Fab        | Composite   |              | Other         |                    |
|                      |                                  | <del></del>                      | 1          | Danasi |   | Initial           | Λ.               | tion        | Sign &       | I             | T                  |
| Root                 | Data                             | Ston                             | Otv        |        | ption of work order update or Non-conformance | Chief En          |                  | cription    | Date         | Verification  | QC Inspector       |
| Cause                | Date                             | Step                             | Qty        |        | or Non-comormance                             | Crijer En         | g Desc           | триоп       | Date         | Verification  | QC IIISPECTOI      |
| Doc/Data             | ┥ .                              |                                  |            |        |   |                   |                  |             |              |               |                    |
| equip/Tooling        | _                                |                                  |            |        |   |                   |                  |             |              |               |                    |
| Operator<br>Material | -                                |                                  |            |        |   |                   |                  |             |              |               |                    |
| Offset/Setup         |                                  |                                  |            |        |   |                   |                  |             |              |               |                    |
| Other                |                                  |                                  |            |        |   |                   |                  |             |              |               |                    |
| Process              | $\dashv$                         |                                  | 1 1        |        |   |                   |                  |             |              |               |                    |
| Supplier             |                                  |                                  |            | •      |   |                   |                  |             |              |               |                    |
| Fraining             |                                  | :                                |            |        |   |                   |                  |             |              |               | ·                  |
| Jnauthorized         |                                  |                                  |            |        |   |                   |                  |             |              |               |                    |
|                      |                                  |                                  |            |        | F   | AULT CA1          | EGORY            |             |              |               |                    |
| Landin               | g Gear                           |                                  |            |        | Hardware                                      |                   | General          |             |              | _             | _                  |
|                      | Bending                          | Passes Be                        | low Min    |        | Breaking                                      | Burrs             |                  | _           | Maintenan    | ce            | Set-up             |
|                      | Centre N                         | ot Conce                         | ntric to C | o/s    | Missing                                       | Conta             | mination         |             | Mislabeled   |               | Supplier           |
|                      | Cracks                           |                                  |            |        | Size/Length                                   | Cut To            | oo Short         | L           | Off-Set      |               | Temperature/Cure   |
|                      | Crushed/                         | rushed/Crimp at Bending Spinning |            |        | Spinning                                      | Docur             | mentation/Data   | L           | Orientation  | Misread       | Weld               |
|                      | Inspectio                        | n Strip in                       |            |        |   | Finish            |                  | L           | Out of Calib | ation         | Wrong Stock Pulled |
|                      | Other                            |                                  | Wrong      |        |   | Inspec            | ction Incomplete |             | Out of Seque | ence          | <u>.</u> .         |
|                      | Positione                        | Positioned Wrong Drill Holes     |            |        | Inspec  | ction Unqualified |                  | Outside Dim | <u> </u>     | Other         |                    |
|                      | Ripples on Inner Bend Misaligned |                                  |            | Instru | ctions Incomplete/                            | Unclear           | Over/Under       | tolerance   |              |               |                    |
| Ţ                    | Torque V                         | Vaves in E                       | xtrusion   |        | Ovalized                                      | Jigs/Fi           | xtures/Tooling   |             | Part Lost    |               |                    |
|                      | Turning Sequence Over/Undersized |                                  |            |        | Kit Incorrect                                 |                   |                  | Part Moved  |              |               |                    |
|                      | Wave/Twist in Tube Too Many      |                                  |            |        |   | Kit Mi            | ssing            |             | Raw Materia  | ıl            |                    |

Date:

|           | Picklist Print Mäy-30-12 11:27:00 AM |                    |    |                              | • • •     |          |          |  | Page 4                                       |
|-----------|--------------------------------------|--------------------|----|------------------------------|-----------|----------|----------|--|--|
|           | Work Order ID: 84979                 |                    | *2 | 4979*                        |           |          |          |  | d  |
| ٠.        | Parent Item: D412-630-032            |                    |    | )412-630-0                   | 122*      |          |          |  |  |
|           | Parent Item Name: Pilot/Cc-Pilot     | Step, RH (Folding) | i  | )4 1 / <del>-</del> (),5()-( | 1.7/      |          |          | tart Date: 30/05/2012<br>Start Qty: 2.00 | Required Date: 13/06/2012 Required Qty: 2.00 |
|           | D3454-5                              | Manufactured       | No |                              | 130       | Each     | 26.0000  | 2 4 5                                    | 7.00   |
| 5,1       | *D3454-5*                            |                    |    |                              |           |          |          | **                                       |  |
| , 2       |                                      |                    |    | Location                     | <u>L</u>  | oc Qty   | Loc Code |  |  |
|           |                                      |                    |    | ST044                        |           | 26       |          |  | _  |
|           |                                      |                    |    | 78190                        |           | 6        |          | CHE                                      | 2  |
|           | D2455 1                              | _                  |    | 82159                        |           | 20       |          | 8210                                     |  |
| Sa        | *D3455-1*                            | Manufactured       | No |                              | 130       | Each     | 65.0000  | **                                       |  |
| 0, 1      | Spacer                               |                    |    | Location                     |           | - 04     |          |  |  |
|           |                                      |                    |    | <u>Location</u><br>ST044     | <u>L</u>  | oc Oty   | Loc Code |  |  |
|           |                                      |                    |    | 77568                        |           | 65<br>1  |          | V-L_VERAL                                | _  |
|           |                                      |                    |    | 78789                        |           | 28       |          |  |  |
|           |                                      |                    |    | 82025                        |           | 36       |          |  | <u>5</u>                                     |
| $\subset$ | D3455-3<br>*D2/IBIS 2*               | Manufactured       | No |                              | 130       | Each     | 58.0000  | **                                       |  |
| بكرات     | Spacer                               |                    |    |                              |           |          |          |  |  |
|           |                                      |                    |    | <u>Location</u>              | L         | oc Qty   | Loc Code |  |  |
|           |                                      |                    |    | ST044                        |           | 58       |          |  | -  |
|           |                                      |                    |    | 76958                        |           | 6        |          | 7889                                     | 5  |
|           |                                      |                    |    | 78844<br>83411               |           | 12<br>40 |          | 1801                                     | Į.   |
|           | D3462-042                            | Manufactured       | No | 05411                        | 130       | Each     | 5.0000   | 2  | - /  |
| 5         | *D3462-042*                          | Wanalactarea       |    |                              |           | Such     | 3.0000   | **                                       | (1) blob 2611                                |
| مهر ن     | Bracket Assembly                     |                    |    |                              |           |          |          |  | 77   |
| Q         |                                      |                    | •  | <b>Location</b>              | <u>Le</u> | oc Qty   | Loc Code |  | •  |
|           |                                      |                    |    | ST199                        |           | 5        |          | 2010                                     | · •  |
|           |                                      |                    |    | 75182                        |           | 4        |          | 75/8                                     | <b>∠</b> √                                   |

78196

| NCR: Y        | es / No    |           |            |         | <b>WORK ORDER NON-</b>     | CONF     | FOR     | MANCE / UPDATE                                       |          |               |   | ·                   |
|---------------|------------|-----------|------------|---------|----------------------------|----------|---------|--|----------|---------------|---|---------------------|
|               | ,          |           |            |         |                            |          |         |  |          | QA Closed:    | Date                                      | e:                  |
| Work Orde     | r:         |           |            |         | DISPOSITION                |          |         | AGAIN  | ST DE    | PARTMENT      | /PROCESS                                  |                     |
| Part N        | o          |           |            |         | Rework Scrap Use-as-is     | -        | 1       | Skid-tube Crosstul Machining Small Factoring Finishi | ab       | 4             | d. Eng. Coor.<br>re/Packaging<br>Supplier | Engineering Quality |
| NCR N         | o          |           |            |         | Work Order Update          | ]        |         | Large Fab Composi                                    | te       |               | Other                                     |                     |
| Root          |            |           |            | Descri  | ption of work order update | Ini      | tial    | Action   |          | Sign &        |   |                     |
| Cause         | Date       | Step      | Qty        | (       | or Non-conformance         | Chie     | f Eng   | Description  |          | Date          | Verification                              | QC Inspector        |
| Doc/Data      |            |           |            |         |                            | <u>.</u> | •       |  |          |               |   |                     |
| Equip/Tooling |            |           |            |         |                            |          |         | *  |          |               |   |                     |
| Operator      |            |           |            |         |                            |          |         |  |          |               |   |                     |
| Material      |            |           |            |         |                            |          |         |  |          | •             |   |                     |
| Offset/Setup  |            |           | <u> </u>   |         |                            |          |         |  |          |               |   |                     |
| Other         |            |           |            |         |                            |          |         |  |          |               |   |                     |
| Process       |            |           |            |         |                            |          |         |  |          |               |   |                     |
| Supplier      |            |           |            |         |                            |          |         |  |          |               |   |                     |
| Fraining      |            |           |            |         |                            |          |         |  |          |               |   | * .                 |
| Jnauthorized  |            |           |            |         |                            |          |         |  |          |               |   |                     |
| •             |            |           |            |         | F.                         | AULT     | CATE    |  |          |               |   |                     |
| Landing       | g Gear     |           |            | <u></u> | Hardware                   | _        |         | General  | _        | 7             | _   |                     |
|               | Bending P  | asses Be  | low Min    | ·       | Breaking                   | Bu       | ırrs    |  | <u> </u> | Maintenan     | ce  | Set-up              |
|               | Centre No  | t Concer  | ntric to ( | o/s     | Missing                    |          | ontam   | ination  |          | Mislabeled    | _   | Supplier            |
|               | Cracks     |           |            |         | Size/Length                |          | ut Too  | Short  | L        | Off-Set       | _   | Temperature/Cure    |
|               | Crushed/0  | Crimp at  | Bending    |         | Spinning                   | Do       | ocume   | entation/Data  |          | Orientation I | Misread                                   | Weld                |
|               | Inspection | Strip in  | Tube       |         | Threading                  | Fi       | nish    |  |          | Out of Calibr | ration                                    | Wrong Stock Pulled  |
|               | Other      |           |            |         | Wrong                      | ln       | specti  | on Incomplete  |          | Out of Seque  | ence                                      |                     |
|               | Positioned | d Wrong   |            |         | Drill Holes                | ∐ In:    | specti  | on Unqualified                                       | L        | Outside Dim   | ensions                                   | Other               |
| Γ             | Ripples or | Inner B   | end        |         | Misaligned                 | ln       | struct  | ions Incomplete/Unclear                              |          | Over/Under    | tolerance                                 |                     |
|               | Torque W   | aves in E | xtrusior   | ı [     | Ovalized                   | git      | gs/Fixt | ures/Tooling   |          | Part Lost     | _   |                     |
|               | Turning Se | equence   |            |         | Over/Undersized            | Ki       | t Incoi | rect   |          | Part Moved    | _   |                     |
|               | Wave/Twi   | st in Tub | e          |         | Too Many                   | Kit      | t Miss  | ing  |          | Raw Materia   | ıl  |                     |

Date:

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| . Picklist Print  Mäy-30-12 11:27:00 AM              |                      |        |                  |       |              |                  |                | Page 5                    |
|--|----------------------|--------|------------------|-------|--------------|------------------|----------------|---------------------------|
| Work Order ID: 84979                                 |                      | *8497  | 70*              |       |              |                  |                | 9                         |
| Parent Item: D412-630-032                            |                      |        | 2-630-0          | 120*  |              |                  |                |                           |
| Parent Item Name: Pilot/Co-Pilo                      | t Step, RH (Folding) | 1 /4 1 | / -(), )( )-(    | 1.37  |              | Start Da         | te: 30/05/2012 | Required Date: 13/06/2012 |
|  |                      |        |                  |       |              |                  | ty: 2.00       | Required Qty: 2.00        |
| MS21 <u>0</u> 43-3                                   | D 1                  | No     |                  | 130   | F - 1        | 4                |                | noquirea Qiy. 2.00        |
| *M\$21043-3*   | Purchased            | No     |                  | 130   | Each         | 1,645.000        | 8 6            |                           |
|  |                      |        | ation            | Loc   | <u>Qty</u>   | Loc Code         |                |                           |
| ·  |                      | FG     |                  |       | 72           |                  |                | -                         |
|  |                      |        | 103691           |       | 72           |                  |                | -                         |
|  |                      | GA     |                  |       | 18           |                  |                | -                         |
|  |                      |        | 120693           |       | 18           |                  |                | -                         |
|  |                      | ST30   |                  |       | 1555         |                  |                | -                         |
|  |                      |        | 118077           |       | 2            |                  |                | -                         |
|  |                      |        | 118614           |       | 51           |                  |                |                           |
|  |                      |        | 118686           |       | 30           |                  | J. 5. V.       |                           |
|  |                      |        | 119758<br>121255 |       | 20<br>452    |                  |                |                           |
|  |                      |        | 121708           |       | 452<br>1000  |                  | 12170          | C                         |
| MS24665-227,   | Purchased            | No     | 121708           | 130   | Each         | 118.0000         | 74/70          |                           |
| MS24665-227  |                      | 140    |                  | 130   | Eacii        | **               |                | - C                       |
| •  |                      | Loca   | <u>ıtion</u>     | Loc   | <u>Qty</u>   | Loc Code         |                |                           |
|  |                      | ST30   | 9                |       | 118          |                  |                |                           |
| •  |                      |        | 111041           |       | 41           |                  |                |                           |
|  |                      |        | 120124           |       | 77           |                  | 120/2          | 9                         |
| NAS1149C0363R<br>XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | Purchased            | No     |                  | 130   | Each         | 2,982.000        | 7 14 0         | Cesafof 2                 |
| Washer   |                      | Loca   | tion             | Loc ( | Otv          | Loc Code         |                | . (                       |
|  |                      | ST29   |                  |       | 2982         | <u> 200 Code</u> |                | `                         |
|  |                      | 3129   | 114742           |       | 2982<br>2982 |                  | 11474          | 2                         |
|  |                      |        |                  |       |              |                  | • /            |                           |

| NCR: Ye   |   |  |                        |          |   |  |   |                                      |        |   |   |           |   |
|---|---|--|------------------------|----------|---|--|---|--------------------------------------|--------|---|---|-----------|---|
| ·   |   |  |                        |          |   |  |   |                                      |        | QA Closed:  | Dat   | e:        |   |
| Work Order  | •   |  |                        |          | DISPOSITION   | _  | _   | AGAINS                               | T DE   | PARTMENT  | -   |           |   |
| Part No   |   |  |                        |          | Rework Scrap Use-as-is Work Order Update  | The  | Skid-tube<br>Machining<br>ermoforming<br>Large Fab  | Crosstub Small Fa Finishin Composite | b<br>g | -1  | d. Eng. Coor.<br>e/Packaging<br>Supplier<br>Other | E         | Engineering Quality                                 |
| Root  |   |  |                        | Descri   | ption of work order update  | Initia   |   | Action                               |        | Sign &  |   |           |   |
| Cause   | Date  | Step   | Qty                    | (        | or Non-conformance  | Chief E  | ng (  | Description                          |        | Date  | Verification                                      | 1         | QC Inspector  |
| Ooc/Data quip/Tooling Operator Material Offset/Setup Other Process upplier Fraining |   |  |                        |          |   |  |   |                                      |        |   |   |           |   |
|   |   |  | <u> </u>               | <u>-</u> | F   | AULT CA  | TEGORY  |                                      |        | J   | <u> </u>  |           |   |
| Landing   | Gear  |  |                        |          | Hardware  |  | General   |                                      |        |   |   |           |   |
|   | Bending P Centre No Cracks Crushed/C Inspection Other Positioned Ripples on Torque W Turning Se | t Concer<br>Crimp at I<br>Strip in<br>I Wrong<br>Inner Be<br>aves in E | Bending<br>Tube<br>end | o/s      | Breaking Missing Size/Length Spinning Threading Wrong Drill Holes Misaligned Ovalized Over/Undersized | Cut T Docu Finisl Inspe Inspe Instru Jigs/f Kit In | amination oo Short mentation/Data ction Incomple ction Unqualific uctions Incompl ixtures/Tooling correct | te<br>ed<br>ete/Unclear              |        | Maintenand Mislabeled Off-Set Orientation I Out of Calibr Out of Seque Outside Dime Over/Under Part Lost Part Moved | Misread ation ence ensions tolerance              | Ter<br>We | oplier<br>mperature/Cure<br>eld<br>ong Stock Pulled |
| l·.   | Wave/Twi  | st in Tub  | e                      | '        | Too Many  | Kit M  | issing  |                                      |        | Raw Materia   | l   |           |   |

Date:

| Picklist Print  May-30-12 11:27:00 AM                        |                    |    |                 |             |          |                         |                          | Page 6                                       |
|--|--------------------|----|-----------------|-------------|----------|-------------------------|--------------------------|--|
| Work Order ID: 84979   |                    | *2 | 4979*           |             |          |                         |                          | 9  |
| Parent Item: D412-630-032 Parent Item Name: Pilot/Co-Pilot S | Step, RH (Folding) |    | 0412-630-0      | 32*         |          | Start Date<br>Start Qty | e: 30/05/2012<br>v: 2.00 | Required Date: 13/06/2012 Required Qty: 2.00 |
| NASISISHS<br>*NAS1515H5*                                     | Purchased          | No |                 | 130         | Each     | 233.0000                | 2                        | (10/5/                                       |
|  |                    |    | <b>Location</b> | Lo          | e Qty    | Loc Code                |                          | 6  |
|  |                    |    | FG              |             | 25       |                         |                          | _  |
| •  |                    |    | 103286          |             | 5        |                         |                          | _  |
|  |                    |    | 103691          |             | 20       |                         |                          |  |
| •  |                    |    | GA<br>120449    |             | 96<br>96 |                         | 1204                     | Ψ <b>9</b>                                   |
|  |                    |    | ST277           |             | 112      |                         | 125/                     | <i>† '</i>                                   |
|  |                    |    | 120299          |             | 12       |                         |                          | <del></del>                                  |
|  |                    |    | 121652          |             | 100      |                         |                          | -<br>  |
| D3455-1  | Manufactured       | No |                 | 110         | Each     | 65.0000 2               | 4                        | 7X   |
| *D3455-1*  |                    |    |                 |             |          | **                      | -                        | )  |
|  |                    |    | <b>Location</b> | . <u>Lo</u> | c Oty    | Loc Code                |                          | / • /  |
|  |                    |    | ST044           |             | 65       |                         | _/                       | _  |
|  |                    |    | 77568           |             | l        |                         |                          |  |
|  |                    |    | 78789<br>82025  |             | 28<br>36 |                         | <del></del>              | -  |
| D3443-041  | Manufactured       | No | 62023           | 110         | Each     | 3.0000 1                | 2                        |  |
| *D3443-041*  | Manufactured       |    |                 | 110         | Lacii    | **                      |                          |  |
| Strut Weldment Assembly                                      |                    |    |                 |             |          | ^^                      |                          | JO 108/19 _                                  |
| 2.1.2.   |                    |    | <b>Location</b> | Lo          | c Oty    | Loc Code                |                          |  |
|  |                    |    | ST199           |             | 3        |                         |                          | ,  |
|  |                    |    | 78188           |             | 1        |                         |                          | _  |
|  |                    |    | 82358           |             | 2        |                         |                          | <del>-</del><br>-                            |
|  |                    |    |                 |             |          |                         | Br                       | 78948 (2w)                                   |

|  |          |                |           |          |   |                            |              |   |                  |  |      | DQA:          | D                            | ate:              |                                       |        |
|--|----------|----------------|-----------|----------|---|----------------------------|--------------|---|------------------|--|------|---------------|------------------------------|-------------------|---------------------------------------|--------|
| NCR:                                     | Yes /    | No             |           |          |   | WORK ORDER NON-            | COI          | NFOR                                      | MANCE / UP       | DATE   |      |               |                              | <b></b> .         |                                       | ,      |
|  |          |                |           |          |   |                            |              |   |                  |  |      | QA Closed:    | U                            | ate:              |                                       |        |
| Work Orde                                | ٥r٠      |                |           |          |   | DISPOSITION                |              |   | ·                | AGAINST I  | DE   | PARTMENT      | /PROCESS                     |                   |                                       | 4      |
| WOIR OIG                                 | ···      |                |           |          | <del></del>                             | Rework                     | 1            |   | Skid-tube        | Crosstube  |      | Pro           | d. Eng. Coor                 | :[                | Engineeri                             | ng     |
| Part N                                   | No.      |                |           |          |   | Scrap                      | 1            | ı   | Machining        | Small Fab  | -    | Rec/Sto       | re/Packaging                 | 3                 | Qual                                  | ity    |
|  |          |                |           |          |   | Use-as-is                  |              | Thern                                     | noforming        | Finishing  |      |               | Supplie                      | _                 |                                       |        |
| NCR I                                    | No       |                |           |          |   | Work Order Update          |              |   | Large Fab        | Composite  |      |               | Othe                         | r                 | }                                     |        |
|  |          |                |           | T        |   |                            | لـــا        |   |                  |  |      | I             |                              |                   | · · · · · · · · · · · · · · · · · · · |        |
| Root                                     |          |                |           | _        |   | ption of work order update |              | nitial                                    |                  | tion   |      | Sign &        | \                            |                   | 06/22                                 |        |
| Cause                                    | _ D      | ate            | Step      | Qty      | C                                       | or Non-conformance         | Ch           | ief Eng                                   | Desci            | ription  |      | Date          | Verificati                   | on                | QC Insp                               | ector  |
| Doc/Data                                 | Н.       |                |           |          |   | ,                          | į            |   |                  |  |      |               |                              |                   |                                       |        |
| Equip/Tooling                            | -        |                |           | :        |   |                            |              |   |                  |  |      |               |                              |                   |                                       |        |
| Operator                                 |          |                |           |          |   |                            |              |   |                  |  |      |               |                              |                   |                                       |        |
| Material                                 |          |                |           |          |   |                            | İ            |   |                  |  |      |               |                              |                   |                                       |        |
| Offset/Setup<br>Other                    | $\vdash$ |                |           |          |   |                            |              |   |                  |  |      |               |                              |                   |                                       |        |
| Process                                  | $\dashv$ |                |           |          |   | •                          |              |   |                  |  |      |               |                              |                   |                                       |        |
| Supplier                                 |          |                |           |          |   |                            |              |   |                  | •  |      |               |                              |                   |                                       |        |
| Training                                 |          | •              |           |          |   |                            |              |   |                  |  |      |               |                              |                   | ·                                     |        |
| Unauthorized                             |          |                |           |          | ļ                                       |                            |              |   |                  |  |      |               |                              |                   |                                       |        |
|  | <u> </u> | •              |           | <b>I</b> |   | , F                        | ÁUL          | T CATE                                    | GORY             |  |      |               |                              |                   |                                       |        |
| Landi                                    | ng Gear  |                |           |          |   | Hardware                   |              |   | General          |  |      | -             |                              |                   |                                       |        |
|  | Ben      | ding P         | asses Be  | low Mi   | ո 📙                                     | Breaking                   |              | Burrs                                     |                  | Ļ  |      | Maintenan     | ce                           | L                 | Set-up                                |        |
|  | Cen      | tre No         | t Concer  | ntric to | o/s                                     | Missing                    |              | Contam                                    | ination          | L  |      | Mislabeled    |                              | _                 | Supplier                              |        |
|  | Crac     |                |           | •        |   | Size/Length                | $\vdash$     | Cut Too                                   |                  | <u> </u>   |      | Off-Set       |                              | ļ                 | Temperature                           | e/Cure |
|  |          |                | rimp at   |          | g                                       | Spinning                   | Ш            | Docume                                    | ntation/Data     | -  |      | Orientation I |                              | <u> </u>          | Weld                                  |        |
|  | Insp     | ection         | Strip in  | Tube     |   | Threading                  | $\mathbf{H}$ | Finish                                    |                  | ļ  |      | Out of Calibr |                              |                   | Wrong Stock                           | Pulled |
|  | Oth      | -              |           |          |   | Wrong                      |              | -   | on Incomplete    | .  |      | Out of Seque  |                              | _                 | 1                                     |        |
|  |          | phonormal to a | l Wrong   |          | ا ا                                     | Drill Holes                | -            | 2. A. | on Unqualified   | The state of the s | e in | Outside Dim   | ggil farrangia i '           | ter               | Other                                 |        |
| i da a a a a a a a a a a a a a a a a a a | Ripr     | les;on         | Inner B   | end -    | ######################################  | Misaligned                 | _            | و ميسود سود                               | ons incomplete/l |  |      | Over/Under-   | a company of the contract of |                   |                                       |        |
| 4  | Toro     | ue)W           | aves in E | xtrusio  | n · · · · · · · · · · · · · · · · · · · | Ovalized                   |              | Jigs/Fixt                                 | ures/Tooling 🌞   |  |      | Part Lost     |                              | No. of the second | A CONTRACTOR                          |        |

| Picklist Print May-30-12 11:27:01 AM                           |                   |    |                          |            |            |          |                |                | ٠.                         | Page 7      |          |
|--|-------------------|----|--------------------------|------------|------------|----------|----------------|----------------|----------------------------|-------------|----------|
| Work Order ID: 84979   | · · · · · · · · · | *8 | 4979*                    | •          |            |          |                |                | -                          | 9           |          |
| Parent Item: D412-630-032 Parent Item Name: Pilot/Co-Pilot Sto | ep, RH (Folding)  |    | 0412-630-0               | 132*       |            |          | art Date: 30   |                | Required Date Required Qty |             |          |
| *D3463-042<br>*D3463-042*<br>Step Weldment Assembly            | Manufactured      | No |                          | 110        | Each       | 2.0000   | **             | 2              | D12/2                      | 1<br>18-/14 |          |
|  |                   |    | <u>Location</u><br>ST199 | <u>Loc</u> | 2 Qty      | Loc Code |                |                |                            | 287409/-    | <i>₹</i> |
| and the second   |                   |    | 80249                    |            | 2          |          |                |                | -13 /                      | 000         |          |
| (D3443-9<br>*D3443-9*  | Manufactured      | No |                          | 110        | Each       | 26.0000  | <b>**</b>      | 4              | S12 fb                     | 8/14        |          |
|  |                   |    | Location                 | Loc        | : Qty      | Loc Code |                |                | / /                        |             |          |
|  |                   |    | ST044                    |            | 26         |          |                |                | _                          |             |          |
|  |                   |    | 78189                    |            | 3          |          |                |                | -                          |             |          |
|  |                   |    | 82161<br>83465           |            | 11<br>12   |          |                | <del>-7-</del> |                            |             |          |
| *AN4C14* BOLT  | Purchased         | No | <i>62</i> 165            | 110        | Each       | 44.0000  | 1<br><b>**</b> | 2              | J12/                       | 08/14       |          |
|  |                   |    | <b>Location</b>          | Loc        | : Oty      | Loc Code |                |                | ′ /                        |             |          |
|  |                   |    | ST357                    |            | 44         |          |                |                |                            |             |          |
|  |                   |    | 117688                   |            | 4          |          |                | ———            |                            |             |          |
| (7MS24665-229)   | Purchased         | No | 120141                   | 130        | 40<br>Each | 253.0000 | 2              | 4              |                            |             |          |
| *MS24665-229*  | 1 dichased        |    |                          | 130        |            |          | **             |                |                            |             |          |
|  |                   |    | Location                 | Loc        | Oty        | Loc Code |                |                | ٠.                         |             |          |
|  |                   |    | ST309                    |            | 253        |          |                |                |                            |             |          |
|  |                   |    | 111041<br>1 <u>18234</u> |            | 98<br>155  |          |                | _4_            | X 1                        | 2/8/24      |          |
|  |                   |    |                          |            |            |          |                |                |                            |             |          |

|               |            |            |            |        |  |      |              | •                   |   | DQA:          | Date   | :                   |
|---------------|------------|------------|------------|--------|--|------|--------------|---------------------|---|---------------|--|---------------------|
| NCR:          | es / No    |            |            |        | WORK ORDER NON-O                         | CON  | <b>IFORI</b> | MANCE / UPDA        | ATE                                     |               |  | • " • " •           |
| •             |            |            |            |        |  |      |              |                     |   | QA Closed:    | Date   | :                   |
| Work Orde     | ar.        |            |            |        | DISPOSITION                              |      |              |                     | AGAINST DE                              | PARTMENT,     | /PROCESS   | ,                   |
| Part N        | lo.        |            |            |        | Rework Scrap Use-as-is Work Order Update |      | Therm        | Machining noforming | Crosstube Small Fab Finishing Composite | 1             | d. Eng. Coor.<br>re/Packaging<br>Supplier<br>Other | Engineering Quality |
| Root          |            |            |            | Descri | ption of work order update               | Îr   | nitial       | Action              | n                                       | Sign &        |  |                     |
| Cause         | Date       | Step       | Qty        | C      | or Non-conformance                       | Chi  | ef Eng       | Descript            | tion                                    | Date          | Verification                                       | QC Inspector        |
| Doc/Data      |            |            |            |        |  |      |              |                     |   |               |  |                     |
| Equip/Tooling |            |            |            | •      |  |      |              |                     |   |               |  |                     |
| Operator      |            |            |            |        |  | ŀ    |              |                     |   |               |  |                     |
| Material      |            |            |            |        |  | 1    |              |                     | •                                       |               |  |                     |
| Offset/Setup  |            |            |            |        |  | ļ    |              |                     |   |               |  |                     |
| Other         |            |            |            |        |  |      | •            |                     |   |               |  |                     |
| Process       |            |            |            |        |  | 1    |              |                     |   | ·             |  |                     |
| Supplier      |            | j          |            |        |  |      |              |                     |   |               |  |                     |
| Training      |            |            |            |        |  | İ    |              |                     |   |               |  |                     |
| Jnauthorized  |            |            |            |        |  |      |              | •                   |   |               |  |                     |
|               |            |            |            |        | F/                                       | AULT | CATE         | GORY                |   |               |  |                     |
| Landin        | g Gear     |            |            |        | Hardware                                 |      |              | General             | ·                                       |               |  | _                   |
|               | Bending F  | asses Be   | low Min    | ı      | Breaking                                 |      | Burrs        |                     |   | Maintenand    | ce   | Set-up              |
|               | Centre No  | t Concer   | ntric to ( | D/S    | Missing                                  |      | Contami      | nation              |   | Mislabeled    |  | Supplier            |
|               | Cracks     |            |            |        | Size/Length .                            |      | Cut Too      | Short               |   | Off-Set       |  | Temperature/Cure    |
|               | Crushed/0  | Crimp at I | Bending    |        | Spinning                                 |      | Oocume       | ntation/Data        |   | Orientation I | Misread  | Weld                |
|               | Inspection | Strip in   | Tube       |        | Threading                                | F    | inish        |                     |   | Out of Calibr | ation  | Wrong Stock Pulled  |
|               | Other      |            |            |        | Wrong                                    |      | nspectio     | on Incomplete       |   | Out of Seque  | ence   | _                   |

Inspection Unqualified

Jigs/Fixtures/Tooling

Kit Incorrect

Kit Missing

Instructions Incomplete/Unclear

Outside Dimensions

Part Lost

Part Moved

Raw Material

Over/Under tolerance

Other

**Drill Holes** 

Misaligned

Too Many

Over/Undersized

Ovalized

Positioned Wrong

Turning Sequence

Wave/Twist in Tube

Ripples on Inner Bend

Torque Waves in Extrusion

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|--------------------------------------|------------------|----|---------------------------------|----------|----------------|---------------|----------------------------------|
| Work Order ID: 84979                 |                  | *8 | 4979*                           |          |                |               | 9                                |
| Parent Item: D412-630-032            |                  |    | 412-630-0                       | 132*     |                |               | . (                              |
| Parent Item Name: Pilot/Co-Pilot Sto | ep, RH (Folding) |    | / <del></del> 1 / - ( ), )( ) ( | 1.17     | Start Date: 30 | )/05/2012     | <b>Required Date:</b> 13/06/2012 |
|                                      |                  |    |                                 |          | Start Qty: 2.0 | 00            | Required Qty: 2.00               |
| MS24665-227                          | Purchased        | No |                                 | 110 Each | 118.0000 1     | 2             | 2/ / /                           |
| *MS24665-227*                        |                  |    |                                 |          | **             |               | 0/2/08/14                        |
|                                      |                  |    | <b>Location</b>                 | Loc Qty  | Loc Code       |               | <i>'</i>                         |
|                                      |                  |    | ST309                           | 118      |                |               | -                                |
|                                      |                  |    | 111041<br>120124                | 41<br>77 |                | $\propto$     | _                                |
| AN4CH3                               | Purchased        | No |                                 | 110 Each | 32.0000 2      | 4             |                                  |
| *AN4CH3*                             |                  |    |                                 |          | **             |               | 15/2/08/14                       |
|                                      |                  |    | <b>Location</b>                 | Loc Qty  | Loc Code       |               |                                  |
|                                      |                  |    | ST357                           | 32       | -              |               |                                  |
|                                      |                  |    | 117616<br>120139                | 1<br>31  |                | 4             |                                  |
| D3465-1                              | Manufactured     | No | 120107                          | 110 Each | 21.0000        | $\frac{1}{2}$ | 01 / /                           |
| *D3465-1*                            |                  |    |                                 |          | **             | -             | D12/08/14                        |
|                                      |                  |    | <b>Location</b>                 | Loc Qty  | Loc Code       |               | / /                              |
|                                      |                  |    | ST045                           | 21       | -              |               |                                  |
|                                      |                  |    | 73449<br>78197                  | 1<br>20  |                | 2             |                                  |
| AN310-4                              | Purchased        | No |                                 | Each     | 144.0000 1     | 2 /           | 0///                             |
| *AN310-4*                            |                  |    |                                 | 2 110    | **             | 4             | Sa /08/14                        |
|                                      |                  |    | <b>Location</b>                 | Loc Oty  | Loc Code       |               |                                  |
|                                      |                  |    | ST344                           | 144      | -              |               |                                  |
|                                      |                  |    | 120124<br>120518                | 1<br>17  |                |               |                                  |
|                                      |                  |    | 121011                          | 1        |                |               |                                  |
|                                      |                  |    | 121349                          | 25       |                | -2            |                                  |
|                                      |                  |    | 121827                          | 100      | ,              |               |                                  |

| NCR: Y        | 'es / No   |                                       |          |                  | WORK ORDER NON-            | COI      | NFORI     | MANCE / UP        | DATE       |        |               |               |     |                    |
|---------------|------------|---------------------------------------|----------|------------------|----------------------------|----------|-----------|-------------------|------------|--------|---------------|---------------|-----|--------------------|
|               |            |                                       |          |                  |                            |          |           |                   |            | (      | QA Closed:    | Da            | te: |                    |
| Work Orde     | ·r·        |                                       |          |                  | DISPOSITION                |          |           |                   | AGAINST DE | ΕP     | ARTMENT       | /PROCESS      |     | •                  |
| Work Orde     |            |                                       |          |                  | Rework                     | 1        |           | Skid-tube         | Crosstube  | 7      | Pro           | d. Eng. Coor. |     | Engineering        |
| Part N        | lo.        |                                       |          |                  | Scrap                      | ]        | 1         | Machining         | Small Fab  |        | Rec/Sto       | re/Packaging  |     | Quality            |
|               |            | · · · · · · · · · · · · · · · · · · · |          | -                | Use-as-is                  |          | Thern     | noforming         | Finishing  |        |               | Supplier      |     |                    |
| NCR N         | lo         |                                       | -        |                  | Work Order Update          | J        |           | Large Fab         | Composite  |        |               | Other         |     |                    |
| Root          |            |                                       |          | Descri           | ption of work order update |          | nitial    | Act               | ion        | T      | Sign &        |               |     |                    |
| Cause         | Date       | Step                                  | Qty      |                  | or Non-conformance         | Ch       | ief Eng   | Descr             | ription    |        | Date          | Verificatio   | n   | QC Inspector       |
| Doc/Data      |            |                                       |          |                  |                            |          |           |                   |            |        |               |               |     |                    |
| Equip/Tooling |            |                                       |          |                  |                            |          |           |                   | •          |        |               |               |     | **                 |
| Operator      |            |                                       |          |                  |                            |          |           |                   |            |        |               |               |     |                    |
| Material      |            |                                       |          |                  |                            |          |           |                   |            |        |               |               |     |                    |
| Offset/Setup  |            |                                       |          |                  |                            |          |           |                   |            |        |               |               |     |                    |
| Other         |            |                                       |          |                  |                            |          |           |                   |            |        |               |               |     |                    |
| Process       |            |                                       |          |                  |                            |          |           | :                 |            |        |               |               |     |                    |
| Supplier      |            |                                       |          |                  |                            |          |           |                   |            |        |               |               |     |                    |
| Training      |            |                                       |          |                  |                            |          |           | ٠                 |            | ١      |               |               |     |                    |
| Jnauthorized  |            |                                       |          |                  |                            |          |           |                   |            |        |               |               |     |                    |
|               |            |                                       |          |                  |                            | AUL      | T CATE    |                   |            |        |               |               |     |                    |
| Landin        | g Gear     |                                       |          | _                | Hardware                   | _        | ı         | General           |            | _      |               |               |     | 1                  |
| _             | Bending F  | Passes Be                             | low Mir  | ۱ 📙              | Breaking                   | $\vdash$ | Burrs     |                   | <u> </u>   | ┥.     | Maintenan     | ce            |     | Set-up             |
|               | Centre No  | ot Concer                             | ntric to | 0/S <sup>.</sup> | Missing                    | Ш        | Contam    | ination           |            | -      | Mislabeled    |               |     | Supplier           |
|               | Cracks     |                                       |          |                  | Size/Length                |          | Cut Too   | Short             |            | _[0    | Off-Set       |               |     | Temperature/Cure   |
|               | Crushed/   | Crimp at                              | Bending  | 3                | Spinning                   | Ш        | Docume    | entation/Data     |            | J      | Orientation I | Misread       |     | Weld               |
|               | Inspection | n Strip in                            | Tube     |                  | Threading                  |          | Finish    |                   |            | Jo     | Out of Calibr | ation         |     | Wrong Stock Pulled |
|               | Other      |                                       |          |                  | Wrong                      |          | Inspecti  | on incomplete     |            |        | Out of Seque  | ence          |     |                    |
| Ī             | Positione  | d Wrong                               |          |                  | Drill Holes                |          | Inspecti  | on Unqualified    |            | Jo     | Outside Dim   | ensions       |     | Other              |
|               | Ripples or | n Inner B                             | end      |                  | Misaligned                 |          | Instruct  | ions Incomplete/L | Inclear    | ]c     | Over/Under    | tolerance     |     |                    |
| Ī             | Torque W   | aves in E                             | xtrusio  | ,                | Ovalized                   |          | Jigs/Fixt | ures/Tooling      |            | F      | Part Lost     | •             |     |                    |
| ľ             | Turning S  | equence                               |          |                  | Over/Undersized            |          | Kit Inco  | rrect             |            | F      | Part Moved    | •             |     |                    |
|               | Wave/Tw    | ist in Tub                            | e        |                  | Too Many                   |          | Kit Miss  | ing               |            | 7<br>F | Raw Materia   | 1             |     |                    |

Date:

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev F

|    | Picklist Print Mäy-30-12 11:27:01 AM |                       |     |                 |           |       |          | <del></del>         | Page 9                    |
|----|--------------------------------------|-----------------------|-----|-----------------|-----------|-------|----------|---------------------|---------------------------|
|    | Work Order ID: 84979                 |                       | *Q  | 4979*           |           |       |          |                     | 9                         |
|    | Parent Item: D412-630-032            |                       |     |                 | 222*      |       |          |                     | /                         |
|    | •                                    | Step, RH (Folding)    | "[] | 412-630-0       | 1.37"     |       | Sta      | rt Date: 30/05/2012 | D                         |
|    | Tarent Item Name.                    | stop, rerr (r ording) |     |                 |           |       |          |                     | Required Date: 13/06/2012 |
|    | •                                    |                       |     |                 |           |       | Sta      | art Qty: 2.00       | Required Qty: 2.00        |
| 1  | D3443-043                            | Manufactured          | No  |                 | 110       | Each  | 6.0000   | 1 2                 |                           |
| •  | *D3443-043* Strut Weldment Assembly  |                       |     |                 |           |       |          | **                  | DIZ /08 /14               |
|    |                                      |                       |     | <b>Location</b> | <u>Lo</u> | c Qty | Loc Code |                     |                           |
|    |                                      |                       |     | ST198A          |           | -8    |          |                     |                           |
|    |                                      |                       |     | ST199           |           | 14    |          |                     |                           |
|    |                                      |                       |     | 77692           |           | 2     |          |                     |                           |
|    |                                      |                       |     | 78954           |           | 4     |          | _                   | _                         |
| 1  | D3454-7                              | Manufactured          | No  |                 | 110       | Each  | 26.0000  | 2 4                 |                           |
|    | *D3454-7* Bushing                    |                       |     |                 |           |       | •        | **                  | 10/0 /08/14               |
|    |                                      |                       |     | <b>Location</b> | Lo        | e Oty | Loc Code | //                  |                           |
|    |                                      |                       |     | ST044           |           | 26    |          |                     |                           |
|    | •                                    |                       |     | 78194           |           | 6     |          |                     |                           |
|    | •                                    |                       |     | 82157           |           | 20    |          | _4_                 | / /                       |
| ٠, | AN310-7                              | Purchased             | No  |                 | 110       | Each  | 56.0000  | 1 2                 | /// / /                   |
|    | *AN310-7*                            |                       |     |                 |           |       | •        | **                  | D12/08/14                 |
|    |                                      |                       |     | <b>Location</b> | <u>Lo</u> | e Qty | Loc Code |                     | * *                       |
|    |                                      |                       |     | ST344           |           | 56    | 4        |                     |                           |
|    |                                      |                       |     | 114784          |           | 6     |          | <u> </u>            |                           |
|    |                                      |                       |     | 119749          |           | 10    |          | 2                   |                           |

120124

| NCR: Ye      | , ·        |            |          |            |  |            |  |   |              |  |   |  |  |
|--------------|------------|------------|----------|------------|--|------------|--|---|--------------|--|---|--|--|
|              |            |            |          |            | ·  |            |  |   | QA Closed:   | Date:  | ·                                       |  |  |
| Work Order   | •          |            |          |            | DISPOSITION                              | ,          | F  | AGAINST DE                              | -<br>-       |  | , |  |  |
| Part No      |            |            |          |            | Rework Scrap Use-as-is Work Order Update | 4 1        | Skid-tube  Machining  moforming  Large Fab | Crosstube Small Fab Finishing Composite | -1           | d. Eng. Coor.<br>re/Packaging<br>Supplier<br>Other | Engineering Quality                     |  |  |
| Root         |            | 1          |          | Doscri     | ption of work order update               | Initial    | Δα   | tion                                    | Sign &       | T  |   |  |  |
| Cause        | Date       | Step       | Qty      |            | or Non-conformance                       | Chief Eng  | 1  | ription                                 | Date         | Verification                                       | QC Inspector                            |  |  |
| oc/Data      | Date       | Step       | Qty      |            | or Hon Comormance                        | Cine: 2118 |  |   |              |  |   |  |  |
| quip/Tooling |            |            |          |            |  |            |  |   |              |  |   |  |  |
| perator      |            |            |          |            |  |            |  |   |              | ·  |   |  |  |
| /laterial    | -          | -          |          |            |  |            |  |   |              |  |   |  |  |
| offset/Setup |            | [          |          |            |  |            |  |   |              |  |   |  |  |
| ther         |            |            |          |            |  |            |  |   |              |  |   |  |  |
| rocess       |            |            |          |            |  |            |  |   |              |  |   |  |  |
| upplier      |            |            |          |            |  |            |  |   |              |  |   |  |  |
| raining      | •          |            |          |            |  |            |  |   |              |  |   |  |  |
| nauthorized  |            |            |          |            |  |            |  |   |              |  |   |  |  |
|              |            |            |          |            | F  | AULT CATE  | GORY                                       |   |              |  |   |  |  |
| Landing      | Gear       |            |          |            | Hardware                                 |            | General                                    | <del>۔۔۔۔۔۔۔۔</del>                     | -            |  |   |  |  |
|              | Bending P  | asses Be   | low Mir  | ո <u> </u> | Breaking                                 | Burrs      |  |   | Maintenan    | ce   | Set-up                                  |  |  |
| _            | Centre No  | t Concer   | ntric to | 0/s        | Missing                                  | Contam     |  |   | Mislabeled   | <u></u>  | Supplier                                |  |  |
|              | Cracks     |            |          |            | Size/Length                              | Cut Too    | Short                                      |   | Off-Set      |  | Temperature/Cure                        |  |  |
|              | Crushed/0  | Crimp at   | Bendin   | 3 <u> </u> | Spinning                                 | Docum      | entation/Data                              |   | Orientation  |  | Weld                                    |  |  |
|              | Inspection | Strip in   | Tube     |            | Threading                                | Finish     |  |   | Out of Calib | <u> </u>   | Wrong Stock Pulled                      |  |  |
|              | Other      |            |          |            | Wrong                                    |            | ion Incomplete                             |   | Out of Sequ  |  | 7                                       |  |  |
|              | Positione  |            |          | <u></u>    | Drill Holes                              | <b>⊢</b>   | ion Unqualified                            |   | Outside Dim  | <b></b>  | Other                                   |  |  |
|              | Ripples or |            |          |            | Misaligned                               | 1          | ions Incomplete/l                          | Unclear                                 | Over/Under   | tolerance  |   |  |  |
|              | Torque W   | aves in E  | xtrusio  | ր 📙        | Ovalized                                 | Jigs/Fixt  | tures/Tooling                              |   | Part Lost    |  |   |  |  |
|              | Turning S  | equence    |          |            | Over/Undersized                          | Kit Inco   | rrect                                      | <u></u>                                 | Part Moved   |  |   |  |  |
|              | Wave/Tw    | ist in Tub | е        |            | Too Many                                 | Kit Miss   | sing                                       |   | Raw Materia  | al   |   |  |  |

Date:

## D412-630-031/-032 Pilot/Co-Pilot Folding-Step Installation

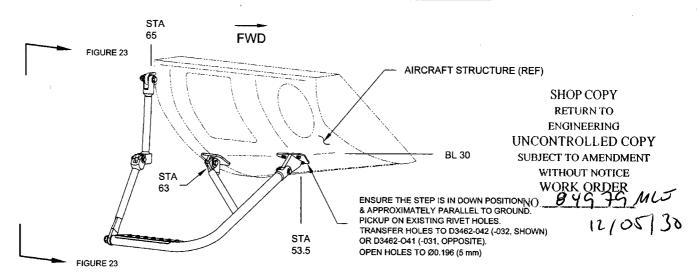


FIGURE 21 - Isometric View D412-630-032 RH, Pilot/Co-Pilot Folding-Step Installation (Shown), D412-630-031 LH (Opposite)

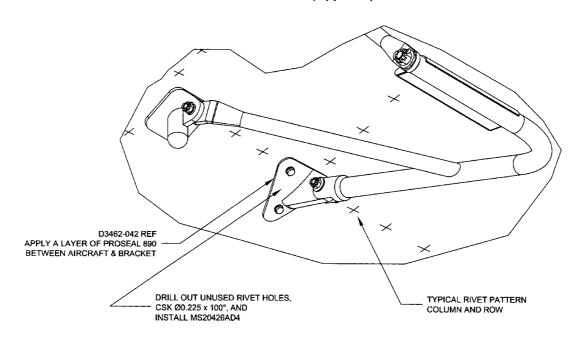


FIGURE 22 - Detail View D3462-042 Bracket Assembly (-032 Installation, Shown) D3462-041, (-031 Installation Opposite)

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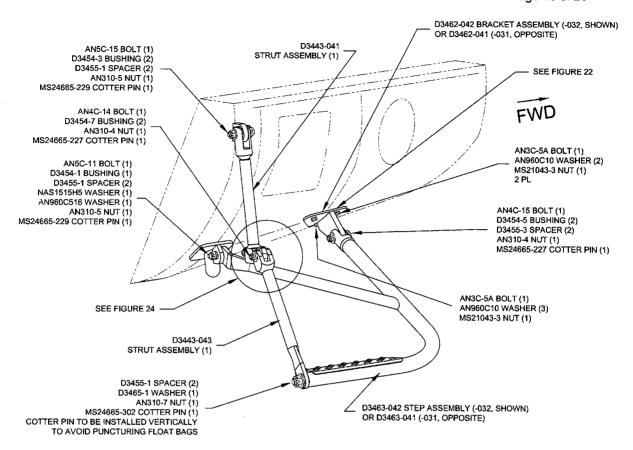


FIGURE 23 - Isometric View D412-630-032 RH, Pilot/Co-Pilot Folding-Step Installation (Shown) D412-630-031 LH (Opposite)

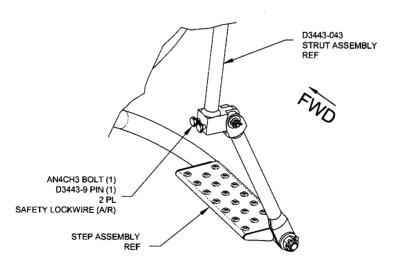


FIGURE 24 - Detail Safety Wiring, D412-630-032 RH,Pilot/Co-Pilot Folding-Step Installation (Shown) D412-630-031 LH (Opposite)

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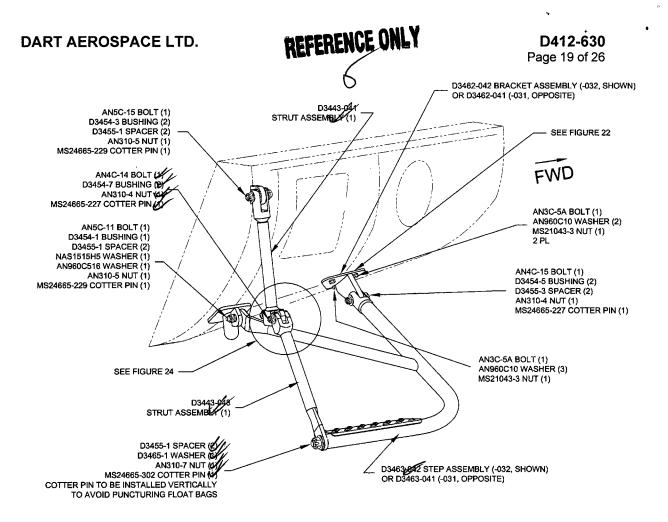


FIGURE 23 - Isometric View D412-630-032 RH, Pilot/Co-Pilot Folding-Step Installation (Shown) D412-630-031 LH (Opposite)

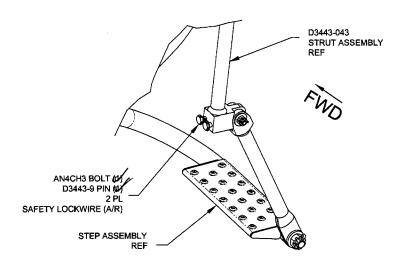


FIGURE 24 - Detail Safety Wiring, D412-630-032 RH,Pilot/Co-Pilot Folding-Step Installation (Shown) D412-630-031 LH (Opposite)

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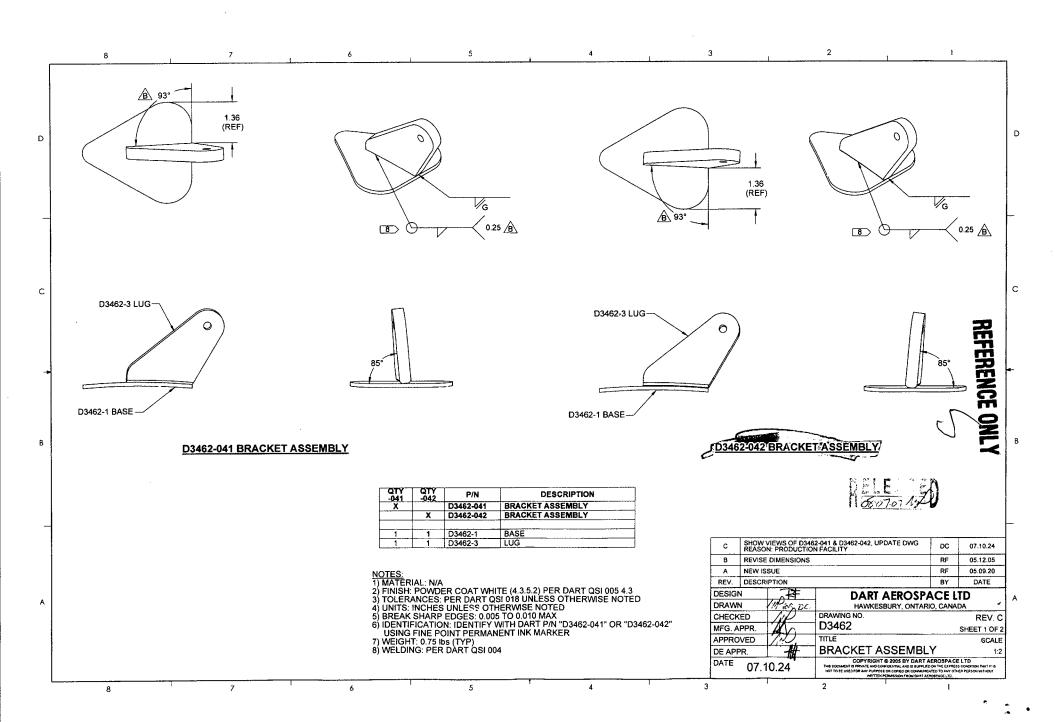
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| Qty          | Qty-            | Part Number      | Description                       |
|--------------|-----------------|------------------|-----------------------------------|
| -031         | -032            |                  |                                   |
| X            | -               | D412-630-031     | PILOT/CO-PILOT STEP, LH (FOLDING) |
|              | Х               | D412-630-032     | PILOT/CO-PILOT STEP, RH (FOLDING) |
|              |                 |                  |                                   |
| 1            |                 | -D3443-041       | STRUT ASSEMBLY                    |
| 1            | 1               | D3443=043-       | STRUT ASSEMBLY                    |
| 2            | 2               | D3443-9          | PIN                               |
| 1-1-         | 1               | -D3454-1/        | BUSHING                           |
| ( 2          | 2               | D3454-3          | BUSHING                           |
| 12-          | 2.              | D3454 <u>′</u> 5 | BUSHING                           |
| 7-2          | 2.              | D3454-7          | BUSHING                           |
| <u>_6_</u>   | <u>     6(4</u> | D3455-1          | SPACER -Z                         |
| <u>L</u> 2   | 2               | D3455-3-         | SPACER                            |
| 1            |                 | D3462=041        | BRACKET ASSEMBLY                  |
|              | 11              | D3462-042        | BRACKET ASSEMBLY                  |
| 1            | نسسا            | D3463-041        | STEP ASSEMBLY                     |
|              | ~               | D3463-042        | STEP ASSEMBLY                     |
| <del>-</del> | _1              | D3465-1          | WASHER                            |
|              |                 | <del></del>      |                                   |
| 2            | 2               | AN310 4 (1)      | NUT                               |
| <u>_2</u>    | 2               | AN310-5          | NUT                               |
| 1            | 1               | AN310-7          | NUT                               |
| 13-          | -3              | AN3C-5A          | BOLT                              |
| b            | 1 _             | _AN44-C12        | * EYEBOLT                         |
|              | _1              | AN4C14           | BOLT                              |
| (i           | 1               | AN4C15           | BOLT                              |
| -2           | 2               | AN4CH3           | BOLT                              |
| <u>J</u> 1   | 1               | AN5C11>          | BOLT                              |
| 1            | 1               | -AN5C15 7        | BOLT                              |
| 7            | 7 =             | TAN960C107       | WASHER                            |
| - 1-         | 1               | -AN960C516       | WASHER                            |
| (3           | 3               | MS21043-3        | NUT                               |
| -2-          | 2(1)            | MS24665-227      | COTTER PIN (-1)                   |
| 1 2          | 2               | ^MS24665-229     | COTTER PIN                        |
| 1            | 1               | MS24665-302      | COTTER PIN                        |
| 1-1-         | -1-             | -NAS1515H5       | WASHER                            |

<sup>\*</sup> USE AN44-C12-EYEBOLT/WHEN D412-630-031/-032 IS INSTALLED IN CONJUNCTION WITH D412-630-023/-024/-033/-034<sup>TM</sup> HELI-ACCESS-STEP

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\*\*\*\*ensure tension to retract step is 11 to 18 lbs before installing lockwire.\*\*\*\*

Memo

Memo

Assemble as per IIN D412-630

QC5-Inspect part completeness to step on W/O

Test fit on aircraft in Eng. lab.

A/R MS20995C41 batch: 1148.30

\*\*\*\*ensure tension to retract step is 11 to 18 lbs

\*110\*

Small Fab

Small Fab

120

QC

**Quality Control** 

